

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1           1.       (Original) A method for use in a wireless communications network, comprising:  
2                   communicating data with plural mobile stations over a wireless link; and  
3                   sending a broadcast message to the plural mobile stations, the broadcast message  
4 containing an indication for indicating to the plural mobile stations that the mobile stations are to  
5 change data rates for transmissions over a reverse wireless link.

1           2.       (Original) The method of claim 1, wherein sending the broadcast message  
2 comprises sending a grant message on a channel that is monitored by the plural mobile stations.

1           3.       (Original) The method of claim 2, wherein sending the grant message on the  
2 channel comprises sending the grant message on a forward grant channel according to code-  
3 division multiple access (CDMA) 2000.

1           4.       (Original) The method of claim 2, wherein sending the grant message comprises  
2 sending a grant message containing an identifier, the identifier settable to a first value to  
3 uniquely identify one of the plural mobile stations, and the identifier settable to a predetermined  
4 value to provide a broadcast indication for indicating to the plural mobile stations that the mobile  
5 stations are to change data rates for transmissions over the reverse wireless link.

1           5.       (Original) The method of claim 4, wherein the identifier comprises a medium  
2 access control (MAC) identifier (MAC ID), the method further comprising:  
3                   setting the MAC ID of the grant message to the first value to target a first one of  
4 the plural mobile stations; and  
5                   setting the MAC ID of the grant message to the predetermined value to provide  
6 the broadcast indication to the plural mobile stations.

1           6.       (Original) The method of claim 5, wherein setting the MAC ID to the  
2 predetermined value comprises setting the MAC ID to a binary value 00000000.

1           7.       (Original) The method of claim 2, wherein sending the grant message comprises  
2 sending a grant message containing a data rate assignment field and an identifier field, wherein  
3 the data rate assignment field contains an assigned data rate for a mobile station identified by the  
4 identifier field.

1           8.       (Original) The method of claim 7, wherein the channel is a shared channel  
2 monitored by each of the plural mobile stations, the method further comprising setting a value of  
3 the identifier to uniquely identify one of the mobile stations such that the one mobile station is  
4 able to receive an assigned data rate in the data rate assignment field.

1           9.       (Original) The method of claim 8, further comprising setting the identifier field to  
2 a predetermined value to provide a broadcast indication for indicating to the plural mobile  
3 stations that the mobile stations are to change data rates for transmissions over the reverse  
4 wireless link.

1           10.      (Original) The method of claim 1, wherein sending the broadcast message to the  
2 plural mobile stations comprises sending the broadcast message to cause the plural mobile  
3 stations to set respective data rates to a value less than or equal to an autonomous data rate of the  
4 corresponding mobile station.

1           11.      (Original) The method of claim 10, further comprising a mobile station  
2 transmitting data on a reverse wireless link in autonomous mode in response to receiving the  
3 broadcast message, wherein transmitting in autonomous mode comprises transmitting the data at  
4 a rate that is less than or equal to the autonomous data rate.

1           12.      (Original) The method of claim 1, wherein sending the broadcast message to the  
2 plural mobile stations comprises sending a broadcast message containing an indication for  
3 indicating to the plural mobile stations that the mobile stations are to change data rates for  
4 transmissions of packet data over respective reverse packet data channels.

1           13.   (Currently Amended) An article comprising at least one storage medium  
2 containing instructions that when executed cause a system in a wireless communications network  
3 to:

4                   communicate data with plural mobile stations over a wireless link; and  
5                   send a broadcast message to the plural mobile stations, the broadcast message  
6 containing ~~a broadcast indication to the plural mobile stations to cause the plural mobile stations~~  
7 ~~to change data rates for transmissions over a reverse wireless link~~ an identifier,  
8                   the identifier set to a first value to uniquely identify one of the plural mobile  
9 stations, and the identifier set to a predetermined value to provide a broadcast indication for  
10 indicating to the plural mobile stations that the mobile stations are to change data rates for  
11 transmissions over a reverse wireless link.

1           14.   (Original) The article of claim 13, wherein sending the broadcast message  
2 comprises sending a layer 2 message.

1           15.   (Original) The article of claim 14, wherein sending the broadcast message  
2 comprises sending a grant message on a forward grant channel (F-GCH) in a code-division  
3 multiple access (CDMA) 2000 wireless communications network.

1           16.   (Currently Amended) The article of claim 13, wherein sending the broadcast  
2 message comprises sending a grant message containing ~~[[an]] the identifier, the identifier~~  
3 ~~settable to a first value to uniquely identify one of the plural mobile stations, and the identifier~~  
4 ~~settable to a predetermined value to provide the broadcast indication to the plural mobile stations~~  
5 that is settable to the first value and predetermined value.

1           17.   (Original) The article of claim 13, wherein sending the broadcast message  
2 containing the broadcast indication is for indicating to the plural mobile stations that the mobile  
3 stations are to change data rates for transmissions of packet data over respective reverse  
4 channels.

1           18.    (Original) The article of claim 13, wherein sending the broadcast message  
2 containing the broadcast indication is for assigning a data rate to each of the plural mobile  
3 stations, the data rate relating to transmissions of packet data over respective reverse channels.

1           19.    (Original) The article of claim 13, wherein sending the broadcast message  
2 containing the broadcast indication is for incrementing or decrementing data rates of the plural  
3 mobile stations for transmissions of packet data over respective reverse channels.

1           20.    (Original) A mobile station comprising:  
2                    an interface to receive messages from a base station, the messages comprising a  
3 broadcast message targeted to plural mobile stations; and  
4                    a controller to change a data rate of transmission over a reverse wireless link in  
5 response to the broadcast message.

1           21.    (Original) The mobile station of claim 20, wherein the broadcast message  
2 indicates that the mobile station is to transmit at a data rate that is less than or equal to an  
3 autonomous data rate,  
4                    wherein the controller is adapted to transmit autonomously over the reverse  
5 wireless link without scheduling from the base station, the controller to transmit at a data rate  
6 that is less than or equal to the autonomous data rate.

1           22.    (Original) The mobile station of claim 21, wherein the interface is adapted to  
2 receive another message from the base station that sets the autonomous data rate.

1           23.    (Original) The mobile station of claim 20, wherein the controller is adapted to  
2 change the data rate of transmission over a reverse packet data channel.

1           24.     (Original) The mobile station of claim 23, wherein the reverse packet data  
2     channel is a code-division multiple access (CDMA) 2000 reverse packet data channel (R-  
3     PDCH).

1           25.     (Original) The mobile station of claim 20, wherein the interface is adapted to  
2     receive the broadcast message on a forward grant channel, the forward grant channel being a  
3     shared channel for monitoring by plural mobile stations.